| In | ide | x of | Clai | ms |
|----|-----|------|------|----|
| | | | | |

Application/Control No.

09/781,496

Examiner

Barbara N. Burgess

Applicant(s)/Patent under Reexamination

ARAI, TOSHIYUKI

Art Unit

2157

| √ | Rejected |
|----------|----------|
| - 11 | Allowed |

- (Through numeral) Cancelled

Restricted

| N | Non-Elected |
|---|--------------|
| | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | L_ | | | | | | | L | |
|------------------------|--------------------------|--|--|----------|----------|--|----------|--------------|--------------|-----------------|
| | | | | | | | | | | |
| Cla | ıim | | | | [| Date | <u>e</u> | | | |
| Final | Original | 50.05 10.05 | | | | | | | | |
| | | ٠. | <u> </u> | | - | - | - | | _ | H |
| | 3 | <u> </u> | - | ┥ | \vdash | ┼─ | | | - | \vdash |
| _ | 1 2 3 | <u> </u> | - | | - | ┢ | - | | - | \vdash |
| | 3 | 2 | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | | | Н |
| | 4 5 | 2 | | L | _ | _ | _ | _ | _ | |
| | 5 | <u>\</u> | | _ | | <u> </u> | _ | | | |
| L | 6 | 7 | | L | | _ | L | L | | Ш |
| | ス | 1 | | l | | | | | | |
| | 8 | 7 | Г | | | | | | | |
| - | -9- | _ | | | | | | | | П |
| | 10- | | | | Г | \vdash | _ | | | П |
| | -11 | = | \vdash | Γ | | | | | Г | П |
| | -12 - | | | \vdash | _ | \vdash | \vdash | | \vdash | \vdash |
| | === | | | \vdash | | \vdash | \vdash | _ | - | |
| \vdash | -13 | | - | | - | | \vdash | | \vdash | H |
| ┝╌┤ | 14- | | \vdash | ⊢ | <u> </u> | \vdash | | - | | H |
| | -15- | | \vdash | | | | <u> </u> | | <u> </u> | $\vdash \vdash$ |
| | 16 | = | _ | ldash | | | <u> </u> | <u> </u> | | |
| | -17- | _ | | <u> </u> | | | <u> </u> | _ | | Ш |
| | 18- | _ | | | | | | | | Ш |
| | 19 | - | | | | | | | | |
| | 20 | \i | | | | | | | | |
| - | 24 | | | | | | | | | П |
| | 22 | Ţ | , | | | Г | | | | П |
| | 23 | 7 | | | | \vdash | | \vdash | | П |
| | 24 | | | Н | | | — | - | | H |
| - | 25 | 2 | | \vdash | — | \vdash | _ | - | - | H |
| | 26 | - | _ | - | - | \vdash | | \vdash | \vdash | H |
| | - | > | | \vdash | \vdash | \vdash | | ⊢ | | |
| | 25 26 27 28 | \sim | - | | _ | H | <u> </u> | ┝ | | \vdash |
| | 28 | J | | | _ | ļ., | | | | Н |
| | 29 30 | | _ | | | _ | | <u> </u> | _ | |
| | 30 | | | | L | Ш | | Щ | _ | Ш |
| | 31 | | <u> </u> | | | | | | | Ш |
| | 32 33 | | | | | | | | | Ш |
| | 33 | | | | | | | | | Ш |
| | 34 | | L | | | | | | | |
| | 35 | | | | | | | | | |
| | 36 | | Γ | | | | | | | |
| | 37 | | | | | | | | | |
| | 38 | Г | | | | | | | | П |
| \vdash | 39 | | | | | | | H | H | Н |
| H | 40 | | | | Н | Н | \vdash | - | | H |
| $\vdash\vdash\vdash$ | 41 | \vdash | \vdash | | | \vdash | Н | \vdash | \vdash | \vdash |
| $\vdash \vdash \vdash$ | 42 | \vdash | \vdash | \vdash | _ | \vdash | \vdash | | | |
| | 43 | - | \vdash | | - | \vdash | \vdash | \vdash | H | H |
| $\vdash \vdash \vdash$ | | \vdash | H | | <u> </u> | | - | — | - | H |
| $\vdash \vdash \vdash$ | 44 | <u> </u> | <u> </u> | | <u> </u> | L | L. | L | | Ш |
| \square | 45 | L., | | | | $oxed{oxed}$ | | $oxed{oxed}$ | | Ш |
| $\sqcup \sqcup$ | 46 | L | | | L_ | | | | | Ш |
| لــــا | 47 | | | | | | | | | |
| | 48 | | | | | | | | | |
| | 49 | | | | | | | | | |
| | 50 | | | | | | | | | П |
| | | | | | _ | | _ | | | |

| Cla | Date | | | | | | | | | |
|--------------|----------------------|--|--|--------------|----------|--------------|--------------|----------|--|--------------|
| <u> </u> | | | | Г | | | ī | Ι | · · | |
| - | Original | | | | | | | | | |
| Final | Ē | | | | | | | | | |
| - | 0 | | | | | | | | | |
| | 51 | 一 | - | - | | | | | 1 | |
| | 51 52 | | | ┢ | \vdash | \vdash | | _ | | |
| | 53 | | \vdash | <u> </u> | \vdash | \vdash | - | | - | - |
| | 54 | \vdash | \vdash | | | | | _ | | |
| | 53 54 55 | - | H | ┢ | \vdash | | H | _ | _ | |
| | 56 | - | \vdash | \vdash | \vdash | | \vdash | \vdash | \vdash | |
| <u> </u> | 56 57 | \vdash | H | ┪ | \vdash | \vdash | \vdash | - | | |
| | 58 | \vdash | \vdash | - | - | _ | \vdash | \vdash | | |
| | 59 | | | \vdash | - | 一 | - | - | - | |
| \vdash | 59 60 | - | | \vdash | | \vdash | \vdash | - | \vdash | |
| | 61 | \vdash | ┢ | ┢ | | | | _ | - | \vdash |
| | 62 | | | | Ι | \vdash | \vdash | | \vdash | \vdash |
| \vdash | 63 | | _ | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | |
| | 62 63 64 65 | \vdash | H | | | | \vdash | \vdash | \vdash | \vdash |
| | 65 | | | \vdash | | | \vdash | _ | | |
| | 66 | ┢ | H | - | \vdash | | _ | - | \vdash | |
| | 67 | | | - | _ | | \vdash | Н | _ | |
| | 67 68 | ├─ | \vdash | | \vdash | | <u> </u> | - | - | - |
| | 69 | - | \vdash | | \vdash | | - | | | - |
| | 70 | \vdash | \vdash | | - | | | | \vdash | - |
| | 70 71 | - | - | | | | | - | | |
| | 72 | | ├─ | \vdash | \vdash | | _ | | | |
| | 72 73 74 75 | H | | | - | | | | _ | - |
| | 74 | - | | \vdash | Ė | | - | _ | - | |
| | 75 | | | - | | | | - | | |
| | 76 | | | - | _ | | - | \vdash | | \vdash |
| | 76 77 | | | ┢ | | - | - | \vdash | | \vdash |
| | 78 | | | H | | - | | | | H |
| | 78 79 | \vdash | | | _ | ├- | | | - | |
| \vdash | 80 | | | \vdash | | | | | | |
| | 81 | <u> </u> | | \vdash | | - | | | | \vdash |
| | 81 82 | - | | | | \vdash | _ | _ | - | \vdash |
| - | 83 | | | | _ | - | | - | | \vdash |
| - | 84 | | | | _ | - | _ | _ | | \vdash |
| <u> </u> | 85 | | _ | | | | | - | - | _ |
| \vdash | 86 | | | | - | | | | | _ |
| \vdash | 87 | | \vdash | \vdash | | - | Н | | Н | \vdash |
| \vdash | 88 | - | | Ι | Н | | - | \vdash | | \vdash |
| _ | 89 | | _ | | | _ | | | | |
| | 90 | | | \vdash | | | | | | \vdash |
| \Box | 91 | Н | | H | \vdash | _ | ш | _ | | |
| \vdash | 92 | Н | | \vdash | П | | | | | Т |
| \vdash | 93 | | | | | _ | М | \vdash | | |
| \square | 94 | \vdash | | | | | | Н | \vdash | |
| \vdash | 95 | | - | Н | | _ | _ | - | - | |
| | 96 | Н | | Г | | - | | | Н | |
| | 97 | Н | | \vdash | | _ | | \vdash | Н | |
| H | 98 | Н | | | | \vdash | | | Н | _ |
| | 99 | \vdash | - | Н | \vdash | \vdash | _ | \vdash | Н | \vdash |
| | 100 | l | | | | | | | | \vdash |

| Ci | aim | Date | | | | | | | | |
|-----------------|--------------------------|----------|--|----------|----------|--------------|----------------|--------------|----------|----------|
| | | | | | | | | | | |
| | Original | | | | | | | | | 1 |
| Final | Ē | | | | | | | | ĺ | |
| - | ō | | | | | | | | | |
| | | | ⊢ | | | \vdash | | | | |
| <u> </u> | 101 | | | <u> </u> | _ | ⊢ | _ | - | - | \vdash |
| | 102 103 | <u> </u> | | ⊢ | | <u> </u> | | <u> </u> | <u> </u> | <u> </u> |
| | 103 | _ | | <u> </u> | | <u> </u> | _ | <u> </u> | <u> </u> | _ |
| <u> </u> | 104 105 | <u> </u> | | <u> </u> | | | _ | <u> </u> | _ | _ |
| | 105 | _ | | <u> </u> | | | | L_ | <u> </u> | |
| | 106 | | | <u> </u> | | L | | <u> </u> | | _ |
| | 107 | _ | | | | L | | | L | |
| | 108 | | | L | L | | _ | _ | | |
| | 109 | <u> </u> | | | L | L | _ | | | |
| | 110 | | | | | | | | | |
| | 111 | | | | | | | | | |
| | 112 | | | | | | | L | | |
| | 113 | | | | | | | | Ĺ | |
| | 114 115 | | | | | | | | | [.] |
| | 115 | | | | | | | | | |
| | 116 | | | | | | | | | |
| | 117 | | | | Г | | | | | |
| | 118 | | \vdash | | | | _ | | | |
| | 116 117 118 119 | \vdash | | | | | | <u> </u> | | П |
| | 120 | Т | - | | | | Г | \vdash | _ | |
| | 121 122 123 | | | | | | \vdash | Ι | | |
| | 122 | | | | | | | _ | Н | |
| | 123 | H | - | - | _ | | | | _ | |
| | 124 | | | | | | \vdash | _ | _ | |
| | 125 | <u> </u> | - | - | | | Н | _ | | |
| | 124 125 126 | | \vdash | | | | | | П | |
| | 127 | | | \vdash | | | - | | П | |
| | 128 | \vdash | | \vdash | \vdash | - | | | | |
| | 129 | | \vdash | H | | Н | - | _ | | |
| - | 127 128 129 130 | \vdash | | | \vdash | \vdash | | | Н | \vdash |
| | 131 | | \vdash | \vdash | \vdash | \vdash | - | \vdash | \vdash | H |
| <u> </u> | 132 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Η, | Н |
| | 133 | | - | | | \vdash | - | - | \vdash | Н |
| | 134 | \vdash | - | | \vdash | \vdash | | ├- | | H |
| \vdash | 135 | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | \vdash | - |
| \vdash | 135 136 | \vdash | \vdash | \vdash | \vdash | \vdash | - | | H | \vdash |
| \vdash | 137 | \vdash | <u> </u> | \vdash | \vdash | \vdash | | | \vdash | H |
| - | 138 | | | | - | | \vdash | _ | \vdash | \vdash |
| | 139 | | \vdash | - | H | \vdash | \vdash | <u> </u> | \vdash | |
| | 140 | \vdash | \vdash | \vdash | \vdash | \vdash | | | \vdash | Н |
| \vdash | 141 | - | \vdash | | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| | 141 | \vdash | \vdash | \vdash | \vdash | \vdash | | ├ | - | \vdash |
| $\vdash\vdash$ | 143 | | - | | | | \vdash | | \vdash | Н |
| $\vdash\vdash$ | 144 | \vdash | | | \vdash | \vdash | - | | \vdash | Н |
| $\vdash\vdash$ | 145 | | ├ | \vdash | | | | ļ | \vdash | Н |
| | 146 | \vdash | ⊢ | \vdash | \vdash | \vdash | H | - | \vdash | |
| \vdash | 146 | | <u> </u> | \vdash | \vdash | \vdash | H | — | | \vdash |
| \vdash | 148 | | <u> </u> | - | \vdash | \vdash | \vdash | - | - | H |
| \vdash | | | - | \vdash | | - | \vdash | - | \vdash | Н |
| $\vdash \vdash$ | 149 | - | | \vdash | \vdash | | | | \vdash | Н |
| L | 150 | | oxdot | | | | | L., | oxdot | ш |